

# LAFAYETTE COLLEGE

*Electric Formula SAE 2020-21*

Easton, Pennsylvania 18042-1775

## **FSAE Electric Formula Car Notes – 3:10, Zoom, September 7, 2020**

Notes - Thomas Stranick

Electrical Safety Training 9/11 - Nadovich

- Basic Safety Lecture
- Quiz After
- If permitted back on campus will have another Safety Training
- Can be useful for safety plan, get that going

Midweek Subsystem Check-Ins - Devin

- Tue 9/8 - management creating WBS
- First meetings happening this week

Subsystem Week Report - Zach

- WBS & schedule created for all subsystems
- Chassis
  - Design Review 1pm Tue
  - Dm John on Slack for link
- Dashboard
  - Meeting over weekend to decide on dashboard redesign
  - Placing on front of car - Helm recommendation
  - Smartphone as screen
- CarMan
  - WBS

- TSI
  - WBS
  - Debugging of TSI board in lab, running through test plan
  - Firmware deployed to board
  - Build throttle test rig
- GLV
  - Uploaded more informative safety loop diagram - done by end of week
  - WBS
- Interconnect
  - WBS
- SCADA
  - Get Servers for SCADA working & cortana server?
  - Commented previous years code
  - WBS
  - Text based user interface & calibration for config files this week
- Battery Packs
  - Mech-E - WBS
  - Software - need more people
- Drivetrain/Cooling
  - Calculations for cooling - decided on bigger radiator
  - WBS for both
  - Implementing Flex-coupler
- Dyno
  - Put everything together
  - Canbus not working exactly
- Motor
  - SCADA Canbus
  - Need Mech-E to work on motor enclosure for motor controller, frame & cooling involved

- Steering & Suspension
  - WBS
  - Met with alumni
  - Optimum Kinematics
  - Met with frame group